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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/534,953	10/04/2005	William L Miller	5051-620 2631		
20792 7590 02/06/2008 MYERS BIGEL SIBLEY & SAJOVEC PO BOX 37428			EXAMINER		
			MARVICH, MARIA		
RALEIGH, NC 27627			ART UNIT	PAPER NUMBER	
			1633		
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			MAIL DATE	DELIVERY MODE	
,			02/06/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No. Applicant(s)					
Office Action Summary		10/534,953	MILLER, WILLIAM L				
		Examiner	Art Unit				
		Maria B. Marvich, PhD	1633				
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exter after - If NO - Failu Any r	CRTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. The period for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 18(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE.	N. nely filed the mailing date of this or D. (35 U.S.C. § 133)				
Status							
1)	Responsive to communication(s) filed on			•			
		-· action is non-final.					
· · · · · · · · · · · · · · · · · · ·	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠	4)⊠ Claim(s) <u>1-70</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.						
	Claim(s) is/are rejected.						
	☐ Claim(s) is/are objected to.						
	8) Claim(s) 1-70 are subject to restriction and/or election requirement.						
Applicati	on Papers						
9) ☐ The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	inder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3 Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
			•				
Attachment	t(s) ·						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:							

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DETAILED ACTION

The previous election has been vacated and replaced in its entirety with the following restriction.

Claims 1-70 are pending in this application and subject to the following restriction.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1-30 and 67-70, drawn to an isolated nucleic acid active as an FSHβ locus control region wherein the locus control region is SEQ ID NO:1 or a sequence 80% related.

Group II, claims 31-40, drawn to a transgenic non-human animal comprising the lcr of Group I and methods of making the transgenic.

Group III, claims 41-47, drawn to a recombinant nucleic acid comprising FSHβ operatively associated with a response element.

Group IV, claims 48-66, drawn to a transgenic non-human animal comprising the construct of Group II and methods of making the transgenic and a method of using the transgenic.

The inventions listed as Group I-IV do not relate to a single general inventive concept because they lack the same or corresponding technical feature. The invention listed as Group I have a technical feature are linked by the technical feature of an FSHβ locus control region wherein the locus control region is SEQ ID NO:1 or a sequence 80% related. Groups I-V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2,

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they lack the same or corresponding special technical features. Specifically, while the technical feature of Group I is a sequence of SEQ ID NO:1, Group III does not share this technical feature. Groups I and II lack unity as unity exists if there is evidence which would lead one to conclude that the characteristic of the final product (the transgenic animal) which is the inventive feature of Group II is due to the intermediate (the DNA sequence). As no such evidence exists then there is no unity on the basis of an intermediate-final product relationship. Similarly, Groups III and IV lack unity as unity exists if there is evidence, which would lead one to conclude that the characteristic of the final product (the transgenic animal), which is the inventive feature of Group II, is due to the intermediate (the DNA sequence).

Applicant is reminded that upon cancellation of claims to a non-elected inventions, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maria B. Marvich, PhD whose telephone number is (571)-272-0774. The examiner can normally be reached on M-F (7:00-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Woitach, PhD can be reached on (571)-272-0739. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Maria B Marvich, PhD Examiner Art Unit 1633

/Maria Marvich/